DMS ~~1825~~ 823-707 1850 Ty. 1 Rev. C

-1837 (REV. 8-70)

AZARDOUS MATERIALS DATA SHE
(PLEASE COMPLETE APPLICABLE SECTIONS)

1. PRODUCT NAME, NUMBER, SYNONYM: Integral Fuel Tank Coating, Yellow Base DMS ~~1825~~ 1850
2. MANUFACTURER'S NAME: DeSOTO, INC.
3. MANUFACTURER'S ADDRESS: 4th and Cedar Streets, Berkeley, Ca. 94710
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Remove damaged containers. Clean with ketone solvents.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Requires I.C.C. Red Label. Storage temperature range 40-90°. Store indoors.
6. FIRST AID TREATMENT:
   A. SKIN CONTACT: Wash with soap and water
   B. EYE CONTACT: Flush with water, see a physician
   C. INHALATION: Remove from vapors. Provide adequate ventilation
   D. ANTIDOTE IN CASE OF SWALLOWING: See a physician
7. PHYSIOLOGICAL PROPERTIES:
   A. ACUTE ORAL TOXICITY: Not known.. but probably low to moderate
   B. LOCAL EFFECTS UPON EYES: Solvents may cause tissue damage
   C. LOCAL EFFECTS UPON SKIN: May cause solvent-type dermatitis
   D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Not known but probably low to moderate.
   E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Solvent vapors may irritate eyes, nose or respiratory tract.
   F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Not known, estimate 200-400 PPM (solvent vapors)
8. CHEMICAL AND PHYSICAL PROPERTIES:
   A. SPECIFIC GRAVITY (WATER = 1) 1.293
   B. VAPOR DENSITY (AIR =1)
   C. VAPOR PRESSURE mm Hg AT 25°C. approx. 100 MM
   D. pH
   E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Solvents may damage plastics, plexiglas, some lacquers and synthetic fabrics.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	Percent	Compound	PERCENT
Epoxy Resin BPA type	22.0	Cyclohexanone	3.4
Magnesium Silicate	26.0	Xylene	6.9
Titanium Dioxide	4.3	Methyl Ethyl Ketone	12.8
Methyl Isobutyl Ketone	14.6	Additives	1.3
Strontium Chromate	8.7		

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Normal precautions associated with the use of high vapor pressure, low flash point solvents

10. RECOMMENDED PROTECTIVE EQUIPMENT: Adequate ventilation , air mask, protective clothing, gloves, eye protection.

11. A. FLASHPOINT °F: CLOSED CUP _____; OPEN CUP 22; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER _____; UPPER _____

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO X

D. FIRE POINT °F _____; AUTO IGNITION TEMPERATURE °F _____

E. VAPOR DENSITY _____

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? CO_2, H_2O, CO

G. SUITABLE EXTINGUISHING AGENTS: Dry chemical, foam, CO_2

12. INFORMATION FURNISHED BY: James D. Miller

TITLE: Group Leader - Aerospace Finishes

COMPANY: DeSOTO, INC.

ADDRESS: 4th and Cedar Streets, Berkeley, Ca. 94710

DATE: July 20, 1972

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.

910-702

DAC 25-1837 (REV. 8-70)

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIONS)

1. PRODUCT NAME, NUMBER, SYNONYM: Integral Fuel Tank Coating, Activator DMS ~~1825~~ 1850

2. MANUFACTURER'S NAME: DeSOTO, INC.

3. MANUFACTURER'S ADDRESS: 4th and Cedar Streets, Berkeley, Ca. 94710

4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Remove damaged containers. Wash with ketone/ alcohol solvent blend

5. TRANSPORTATION AND STORAGE REQUIREMENTS: Requires I.C.C. Red Label. Store at temperature range 40-90°F. Store indoors.

6. FIRST AID TREATMENT:

A. SKIN CONTACT: Wash with soap and water

B. EYE CONTACT: Flush with water - see a physician

C. INHALATION: Remove from vapors. Provide adequate ventilation.

D. ANTIDOTE IN CASE OF SWALLOWING: See a physician

7. PHYSIOLOGICAL PROPERTIES:

A. ACUTE ORAL TOXICITY: Not known, but probably moderate

B. LOCAL EFFECTS UPON EYES: May cause tissue damage

C. LOCAL EFFECTS UPON SKIN: May cause solvent type dermatitis

D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Not know, but probably low to moderate

E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): May cause irritation of eyes, nose, skin and respiratory tract

F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Not know, estimate 200 PPM (solvent vapors)

8. CHEMICAL AND PHYSICAL PROPERTIES:

A. SPECIFIC GRAVITY (WATER = 1) 1.174 B. VAPOR DENSITY (AIR =1)

C. VAPOR PRESSURE mm Hg AT 25° C. approx. 100 MM D. pH

E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:
Solvents may damage plastics, plexiglas, some lacquers and synthetic fabrics

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Methyl Ethyl Ketone	10.8
Aromatic Polyisocyanate (MDI type)	89.2

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? May generate heat when reacted with amine compounds

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Normal precautions when using high vapor pressure low flash point solvents

10. RECOMMENDED PROTECTIVE EQUIPMENT: Adequate ventilation, air mask, protective clothing, gloves, eye protection

11. A. FLASHPOINT °F: CLOSED CUP _____ ; OPEN CUP 22 ; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER _____ ; UPPER _____

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____ ; NO X

D. FIRE POINT °F _____ ; AUTO IGNITION TEMPERATURE °F _____

E. VAPOR DENSITY _____

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? CO_2, H_2O, co, Nitrogen oxides

G. SUITABLE EXTINGUISHING AGENTS: Dry chemical CO_2, Foam

12. INFORMATION FURNISHED BY: James D. Miller

TITLE: Group Leader, Aerospace Finishes

COMPANY: DeSOTO, INC.

ADDRESS: 4th and Cedar Streets, Berkeley, Ca. 94710

DATE: July 20, 1972

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